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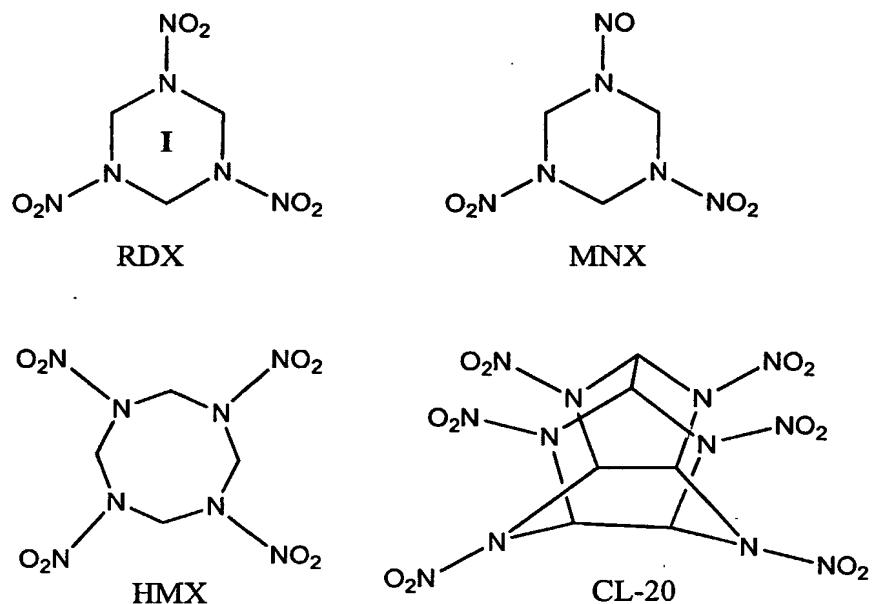


Figure 1

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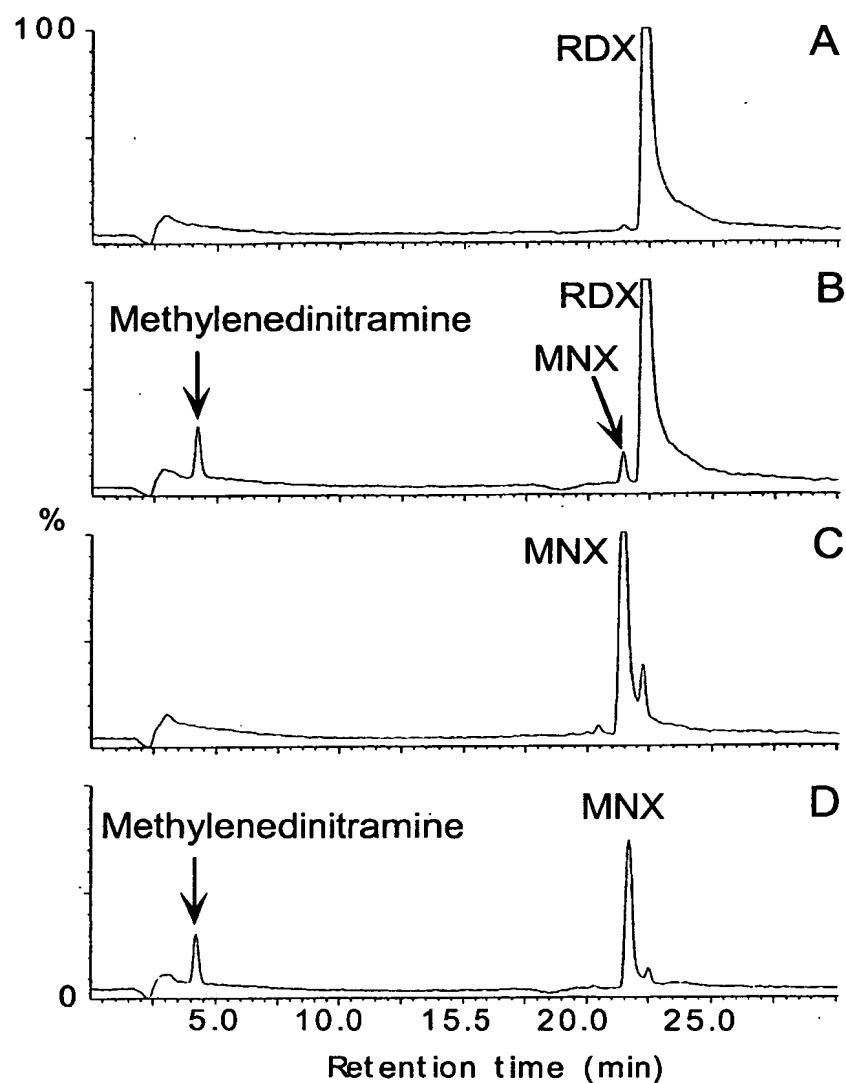


Figure 2

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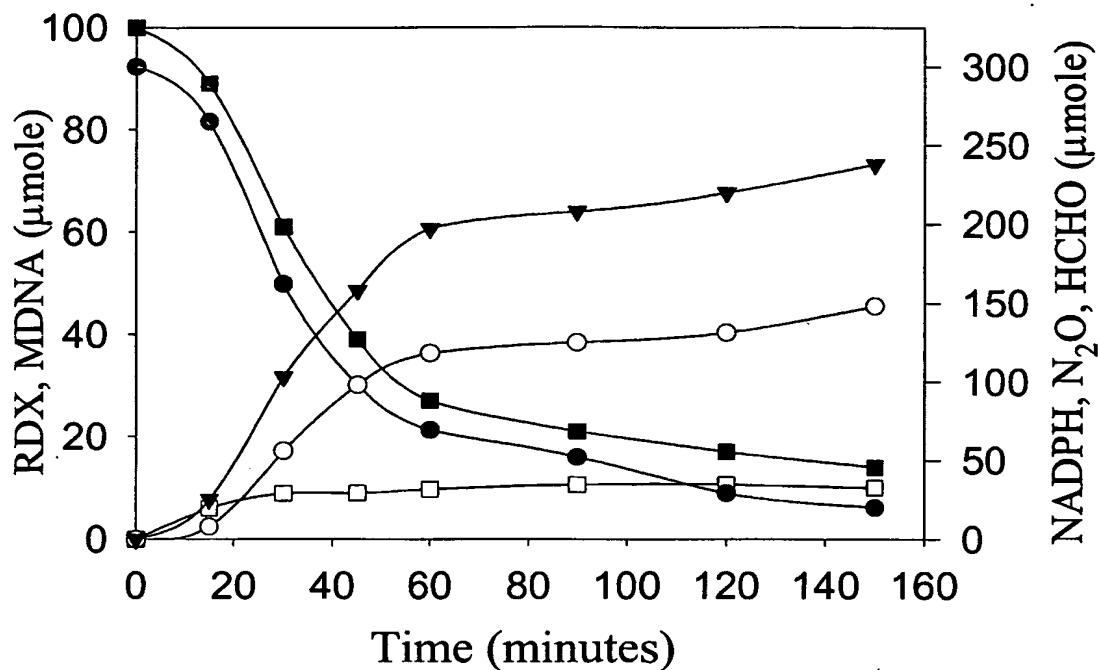


Figure 3

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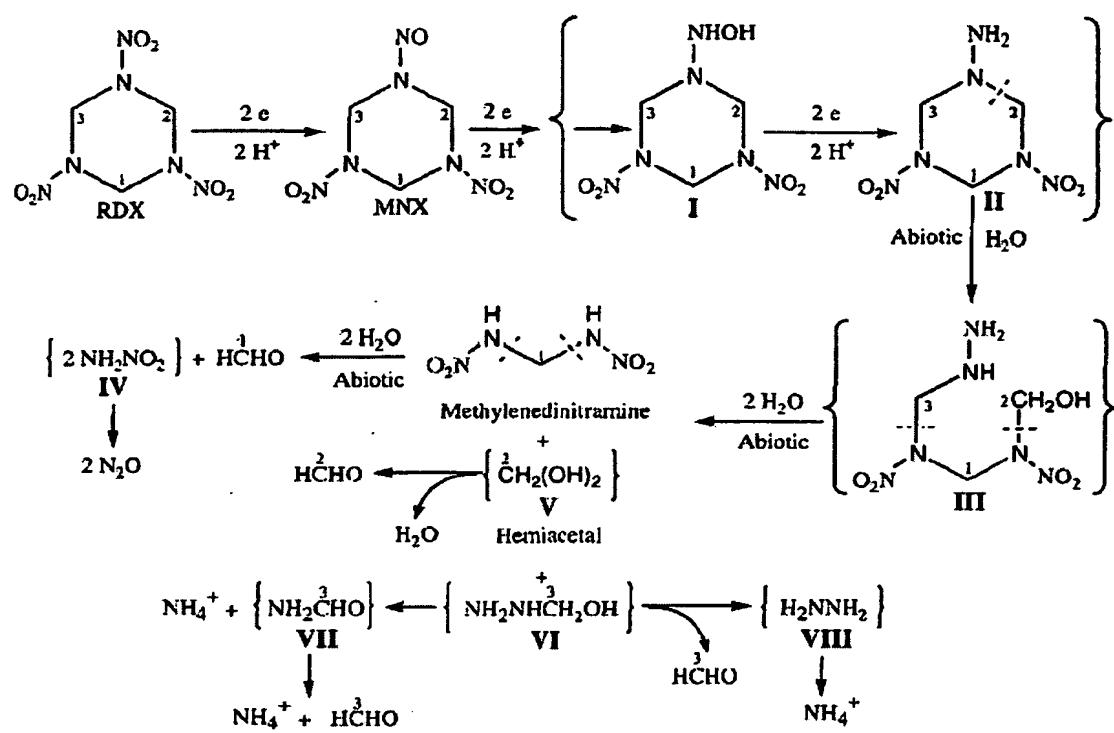


Figure 4

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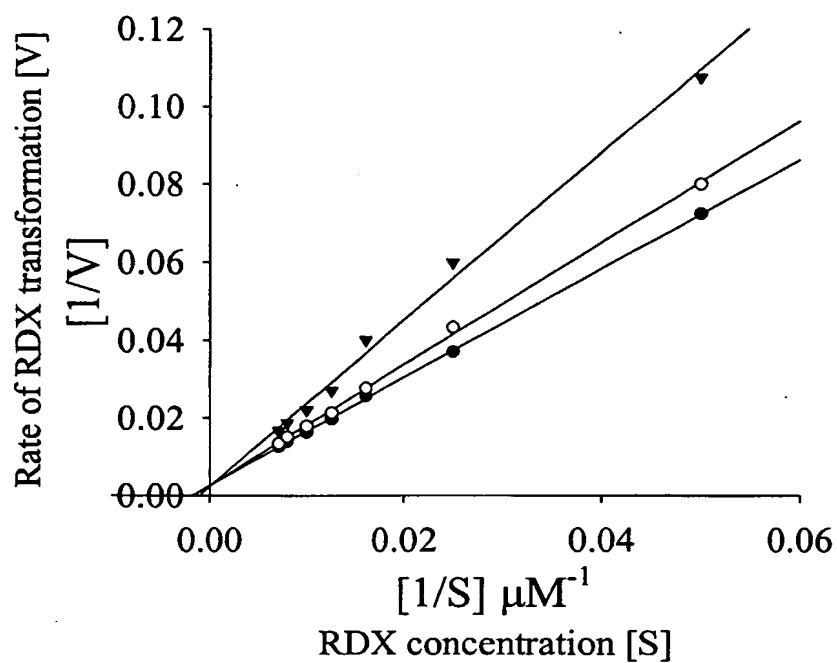
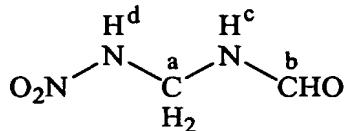


Figure 5

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NMR analysis by Bruker DMX-600 and AV-400.¹H NMR (*d*₆-DMSO*) 600 MHz: δ 4.73 (d, 2H, CH₂^a),8.1 (d, 1H, CH^b), 8.7 (d, 1H, NH^c), 12.45 (s, 1H, NH^d)¹³C NMR (*d*₆-DMSO) 400 MHz: δ 49.9 (d, C^b), 166.9 (d, C^a)

Molecular Structure of MW 119

Elemental analysis:

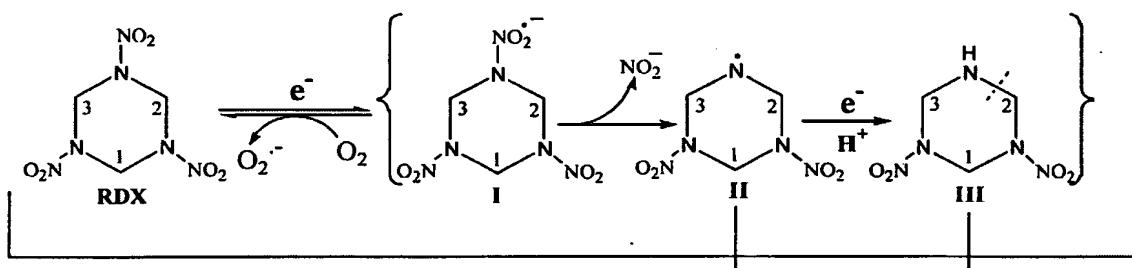
Nitrogen	Carbon	Hydrogen
% (SD)	% (SD)	% (SD)
Measured: 34.25 (0.028)	20.27 (0.021)	4.19 (0.005)
Calculated: 35.29	20.17	4.23

Suggested molecular formula is C₂H₅N₃O₃ (MW 119.08)

* DMSO: dimethylsulfoxide

Figure 6

Primary reactions (Enzymatic)



Secondary reactions (mainly abiotic)

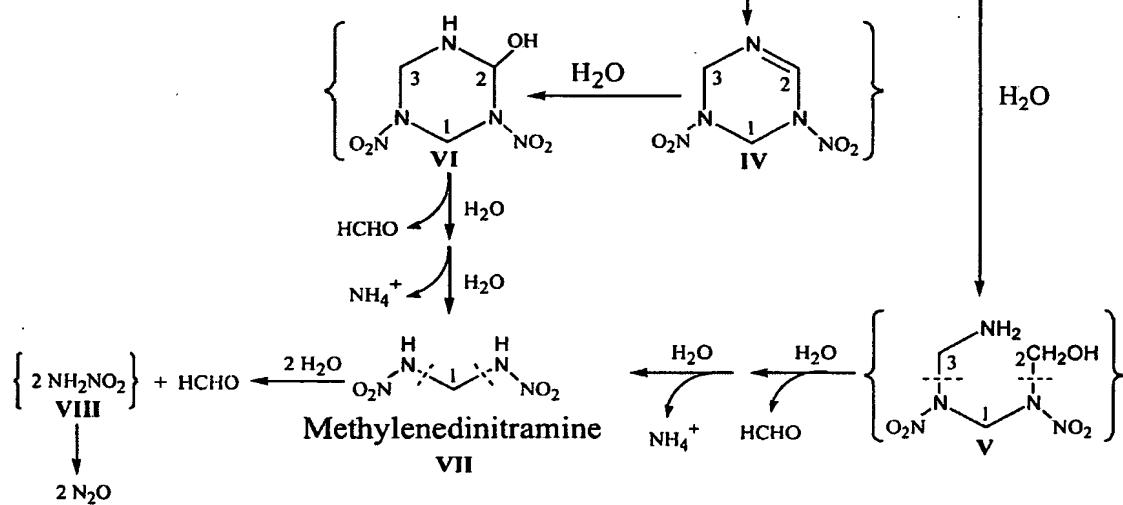


FIG. 7

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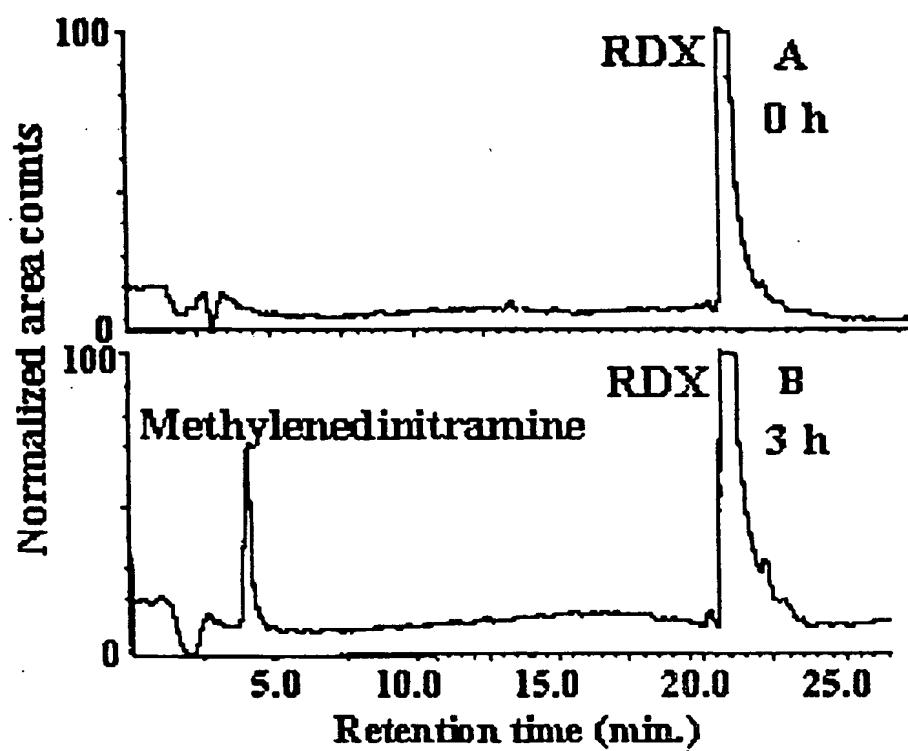


FIG. 8

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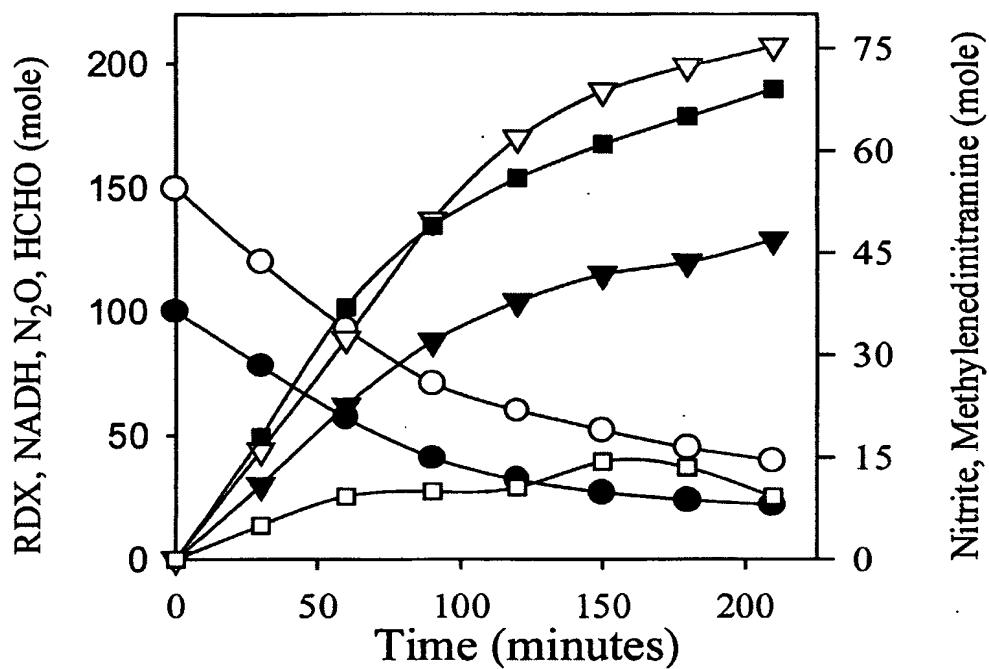


FIG. 9

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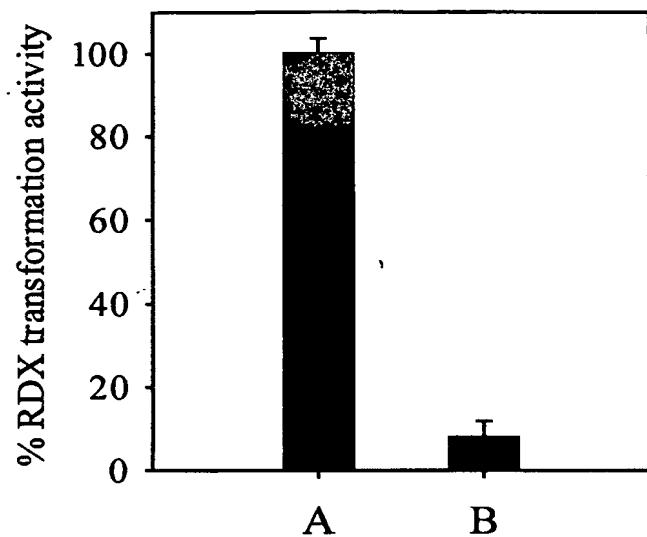


FIG. 10

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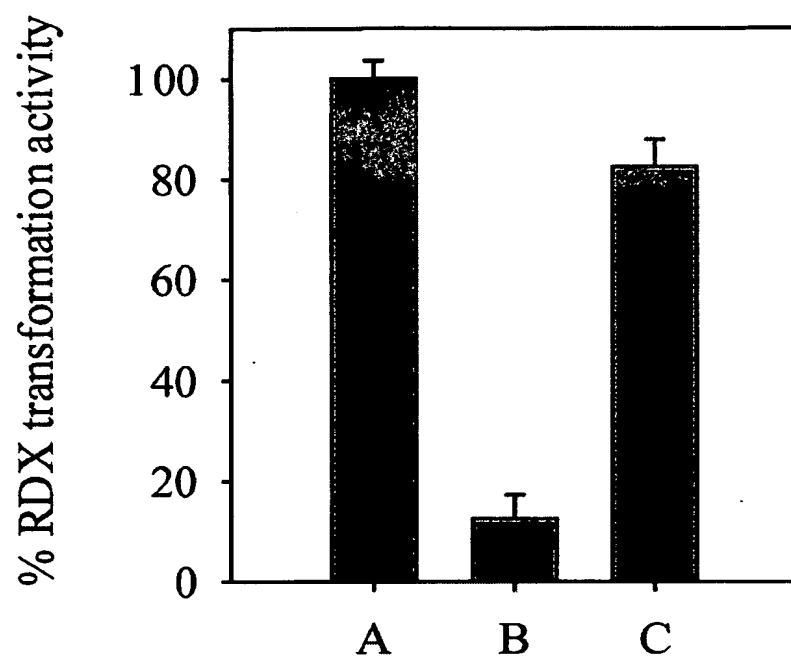


FIG. 11

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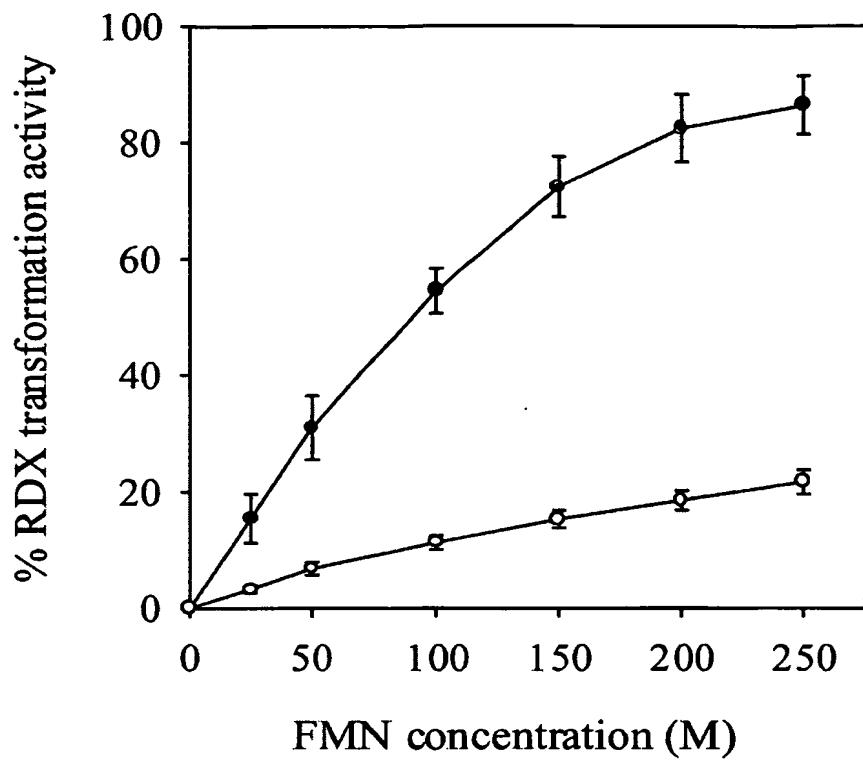


FIG. 12

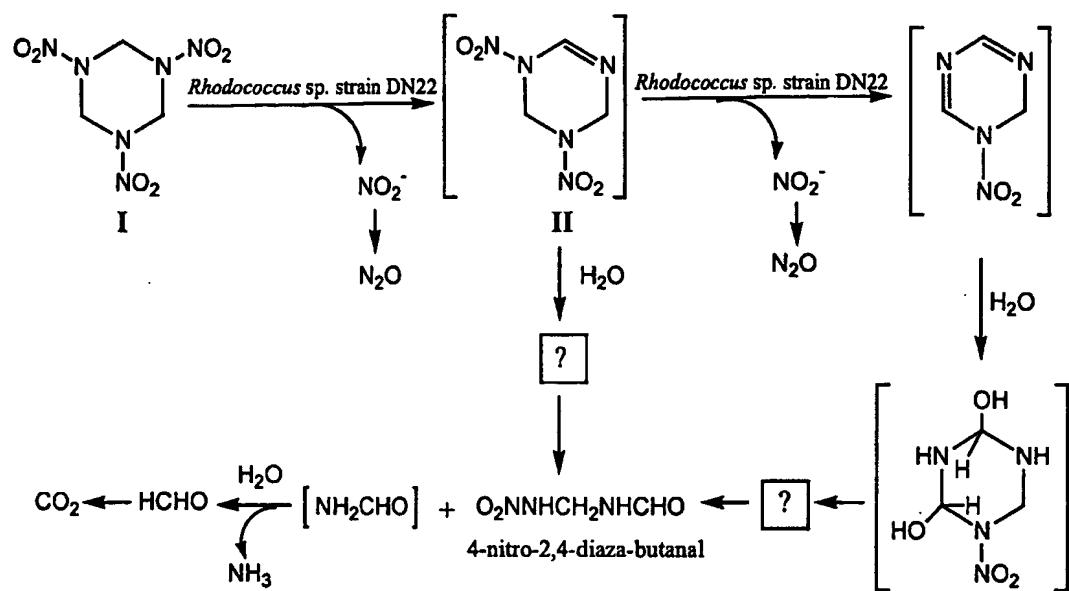


Figure 13

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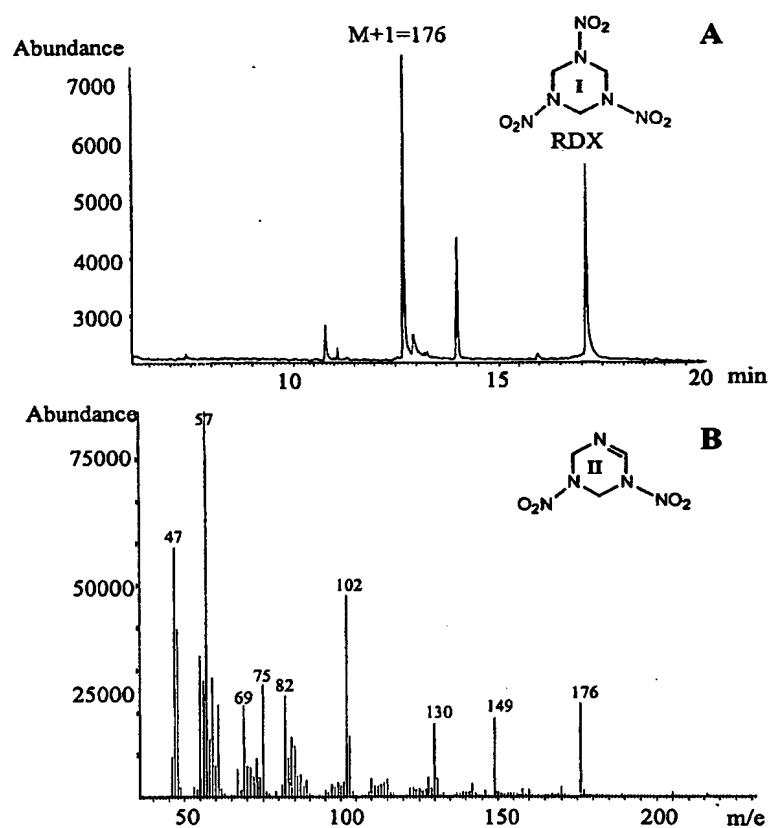


Figure 14

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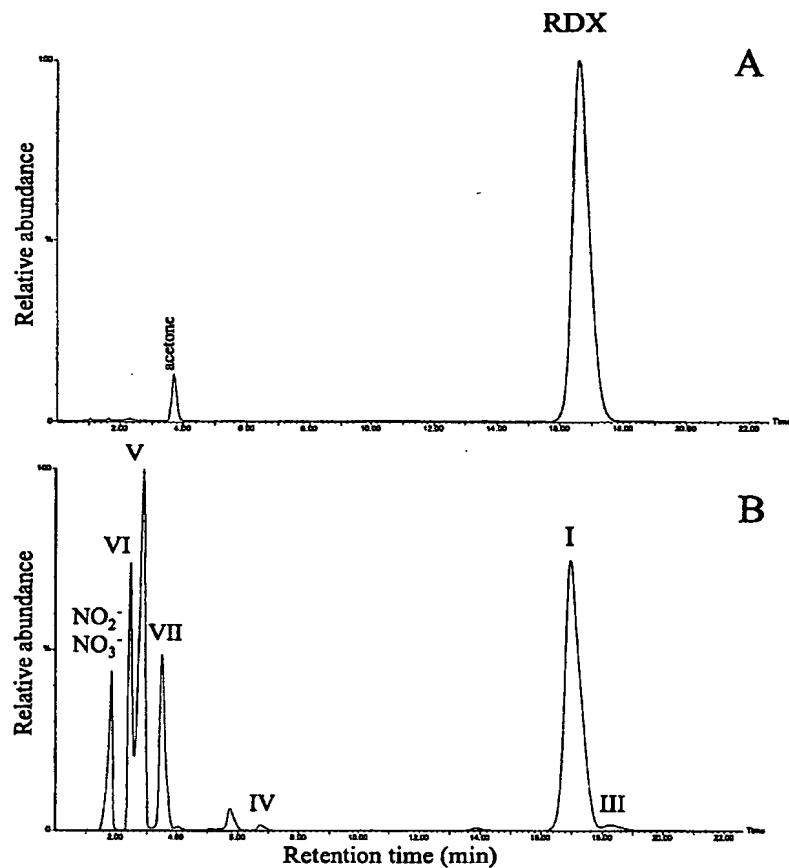


Figure 15

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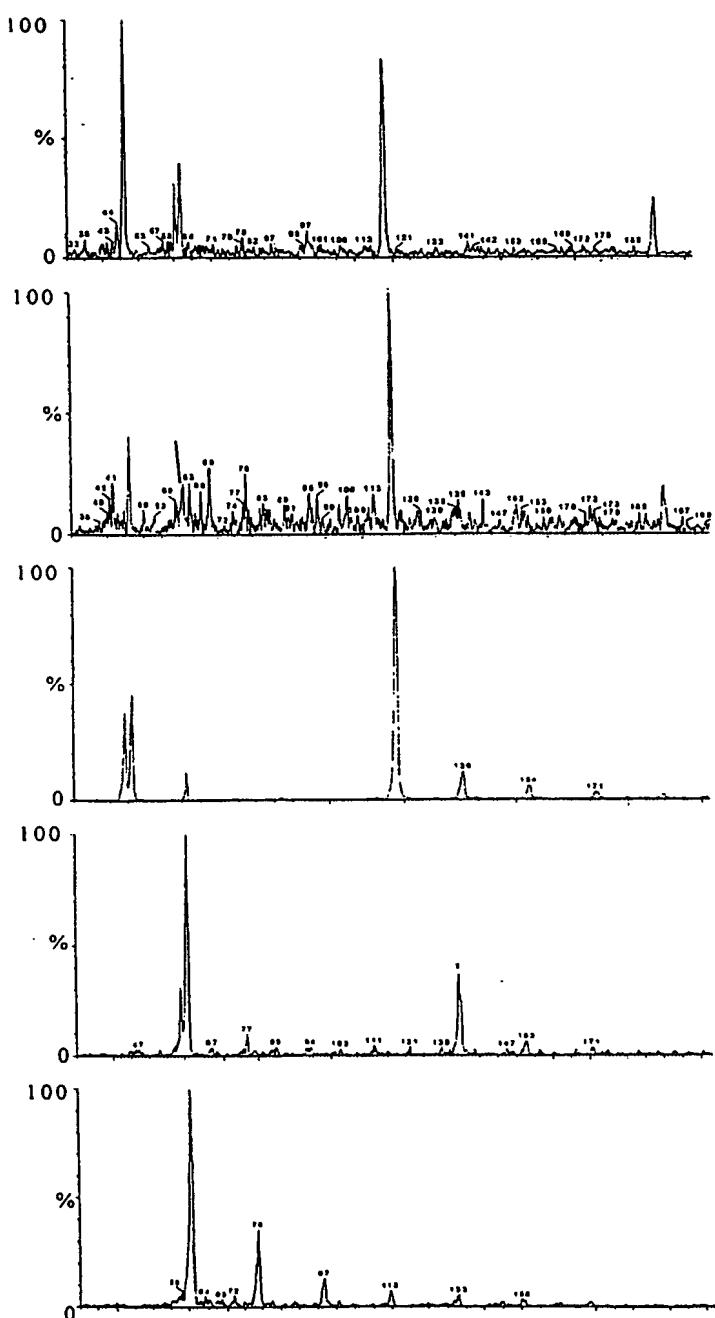


Figure 16

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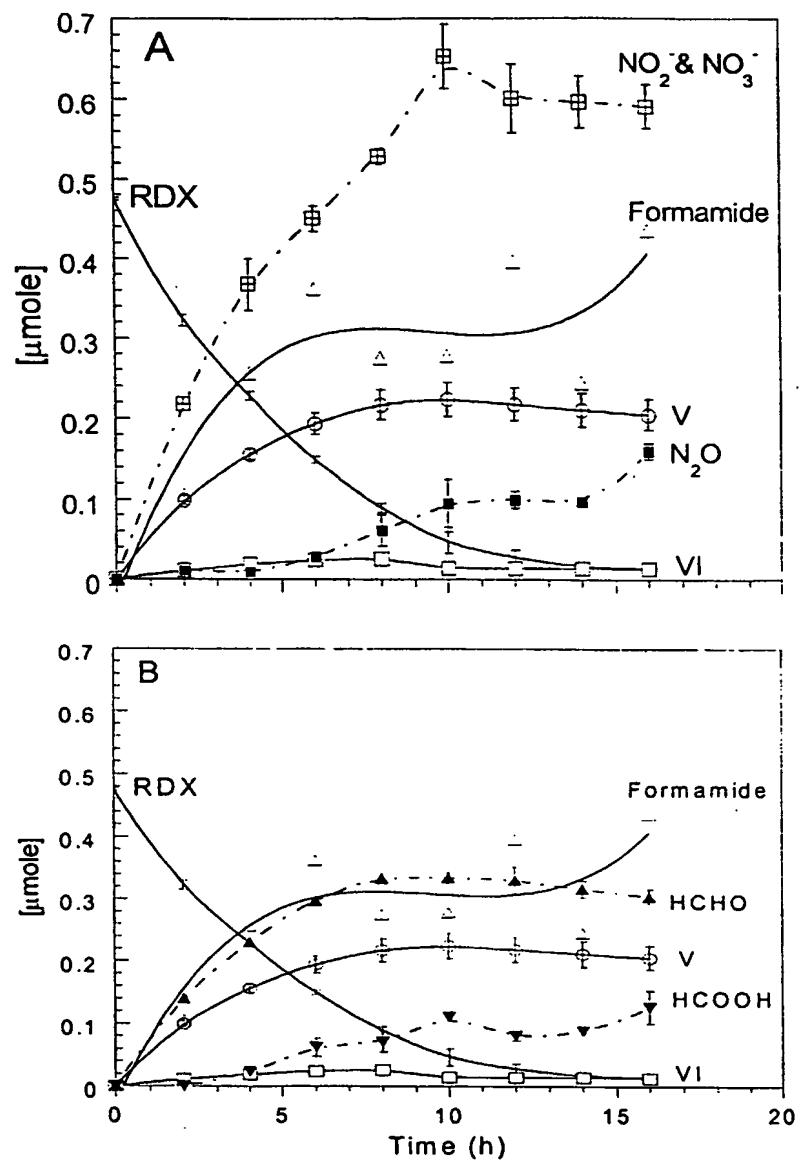


Figure 17

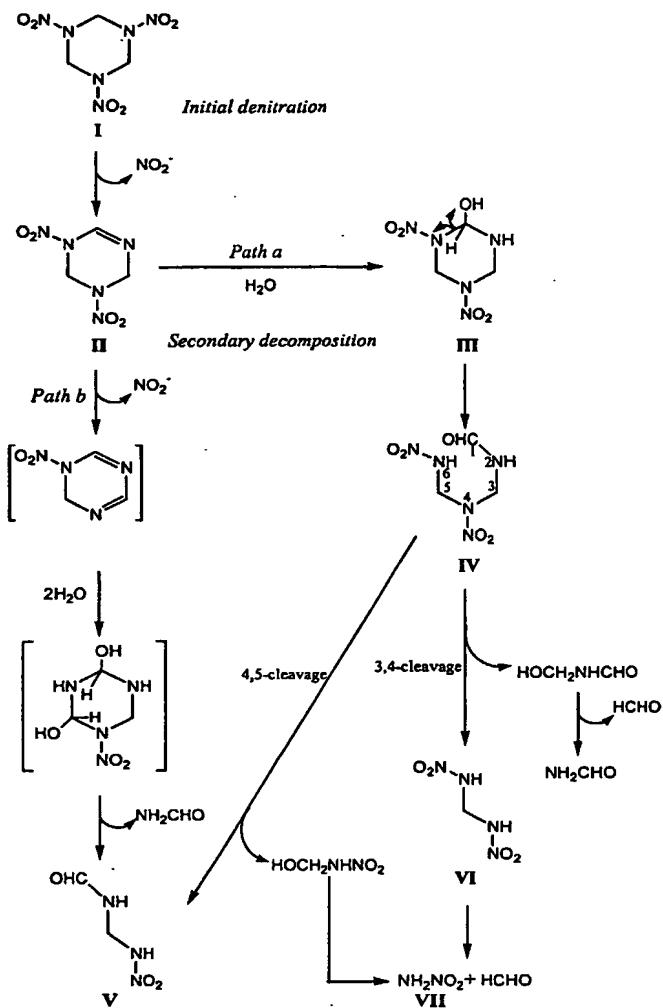


FIG. 18

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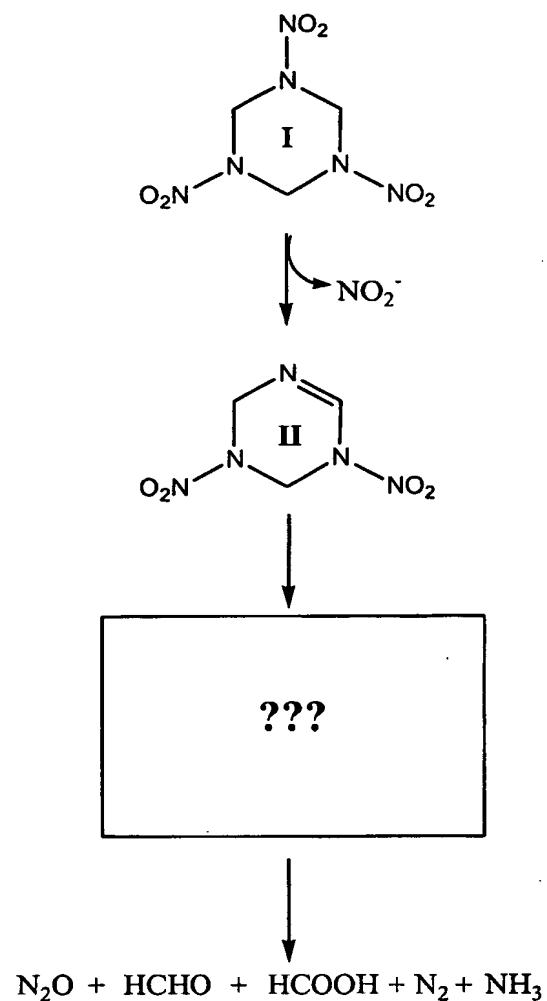


Figure 19

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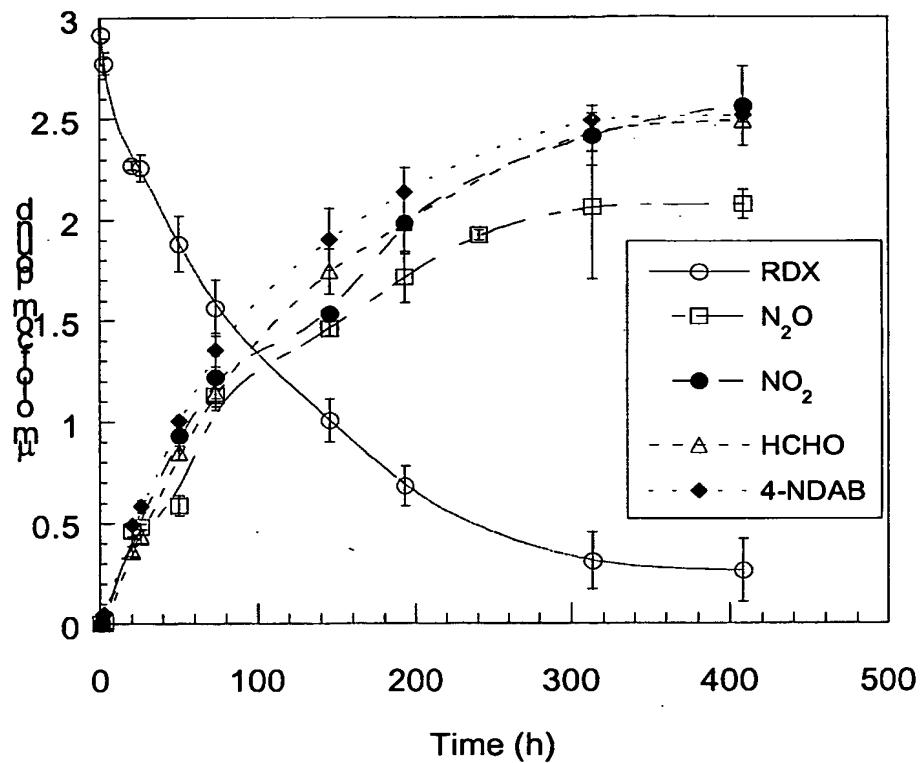


Figure 20

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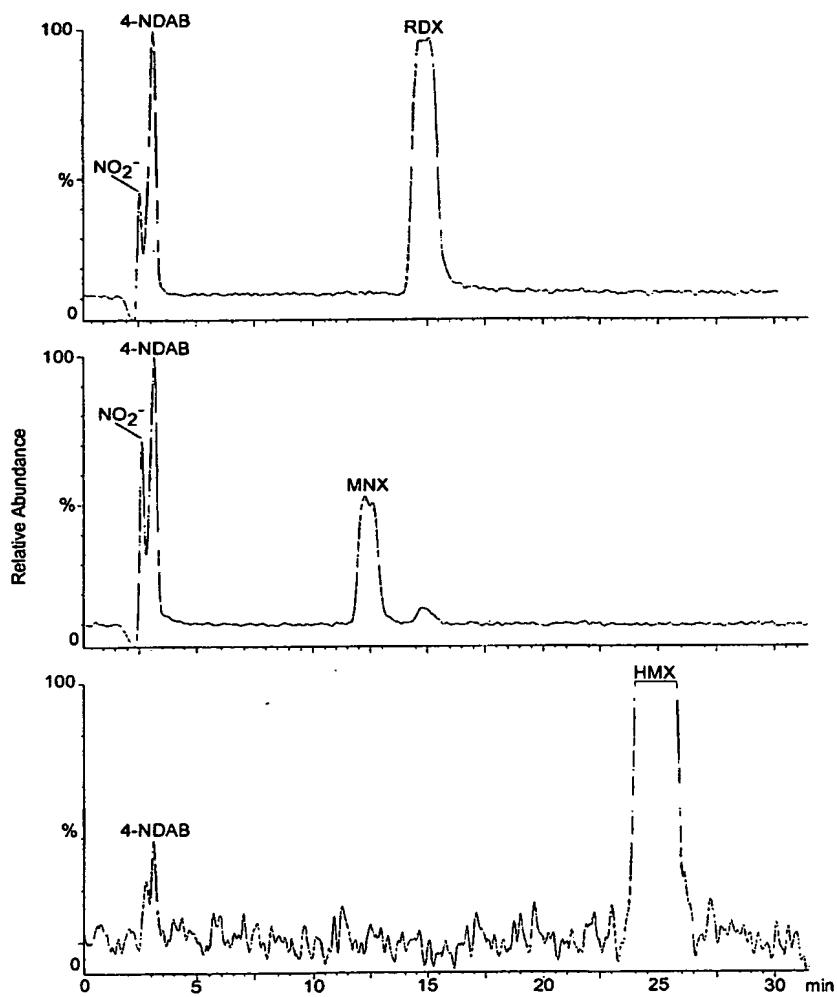


Figure 21

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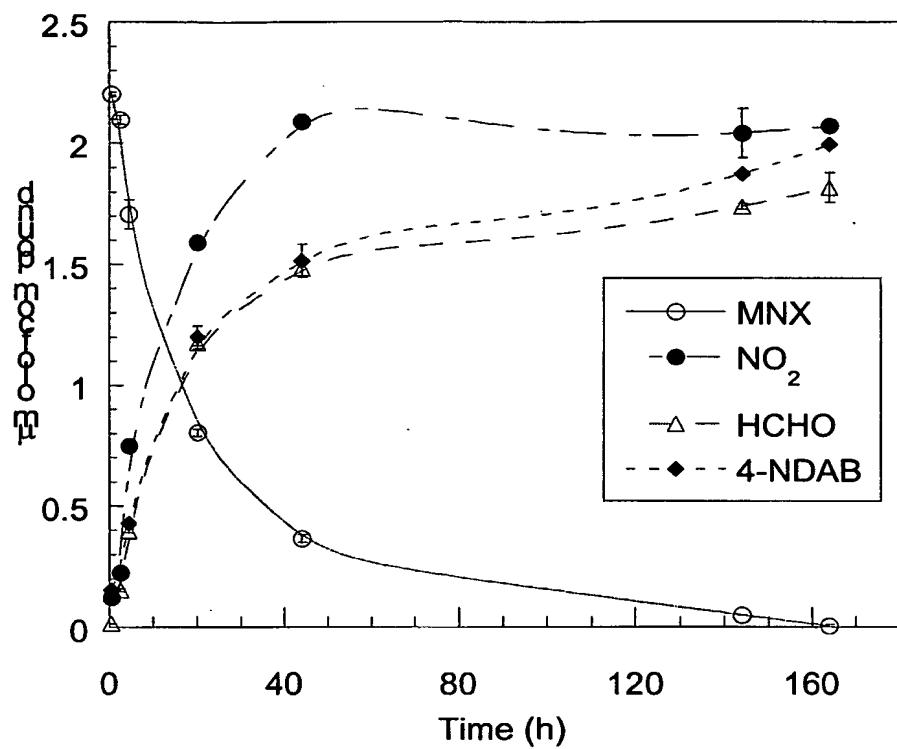


Figure 22

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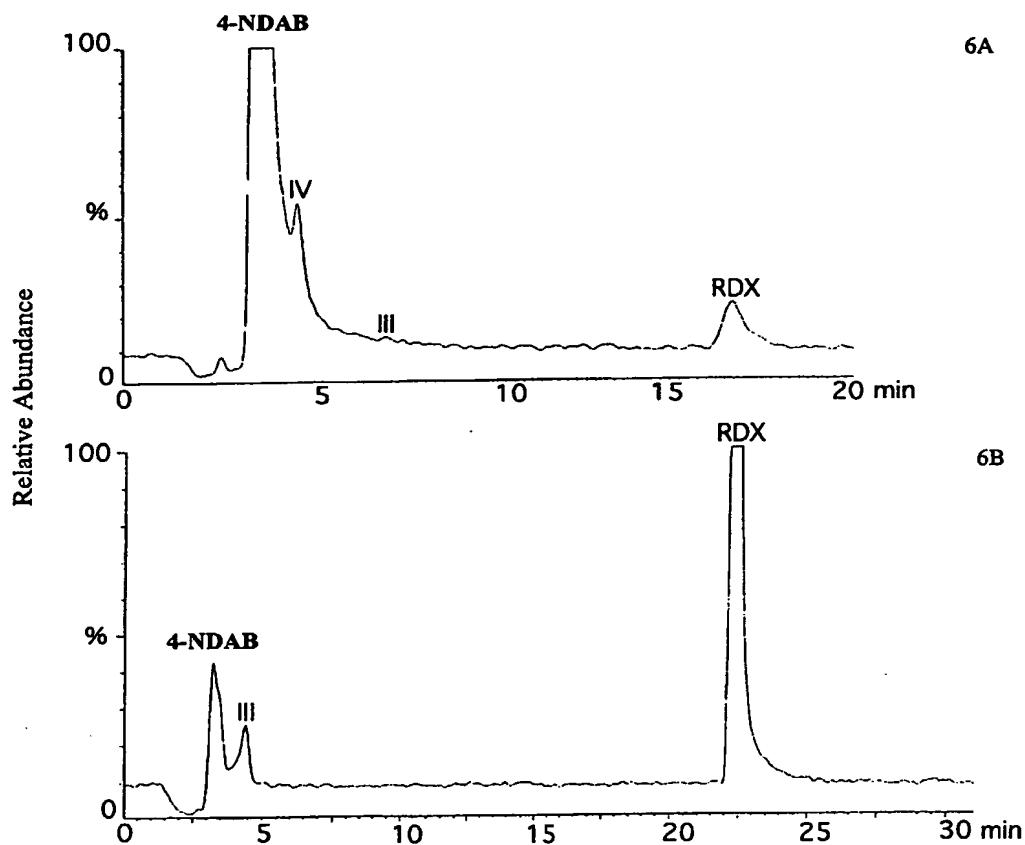


Figure 23

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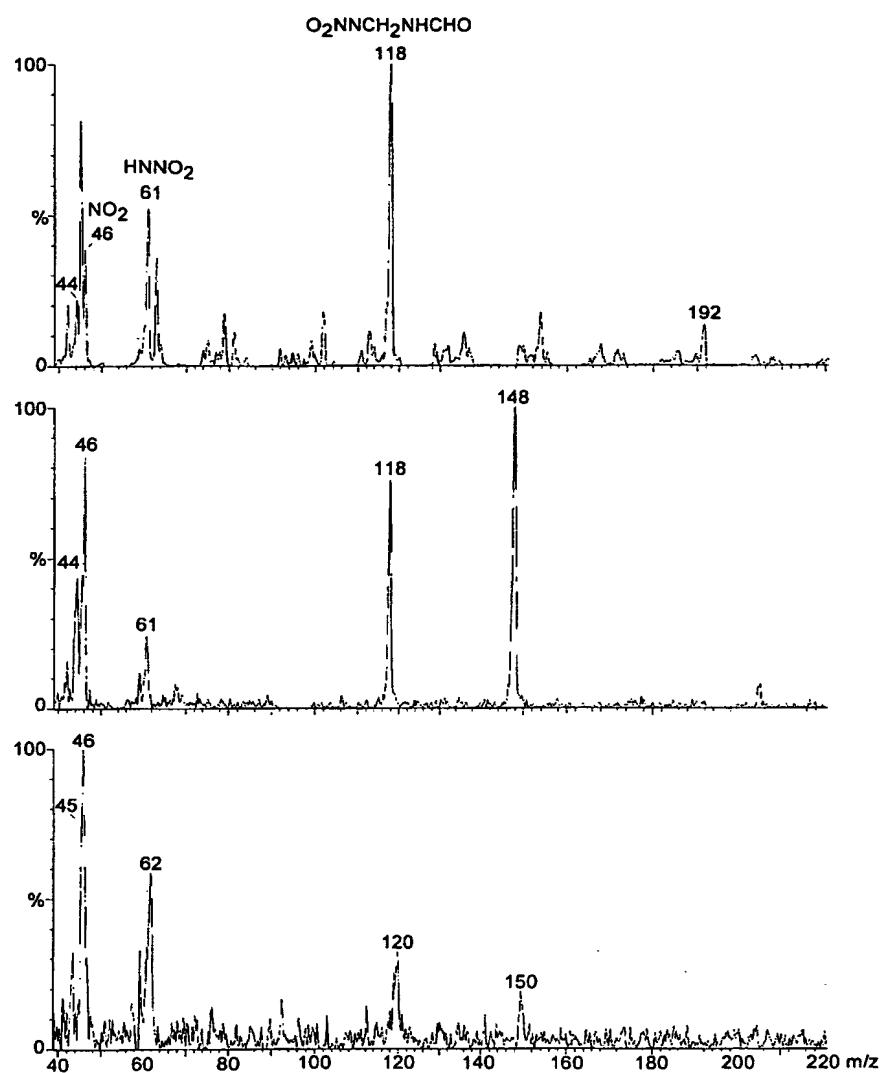


Figure 24

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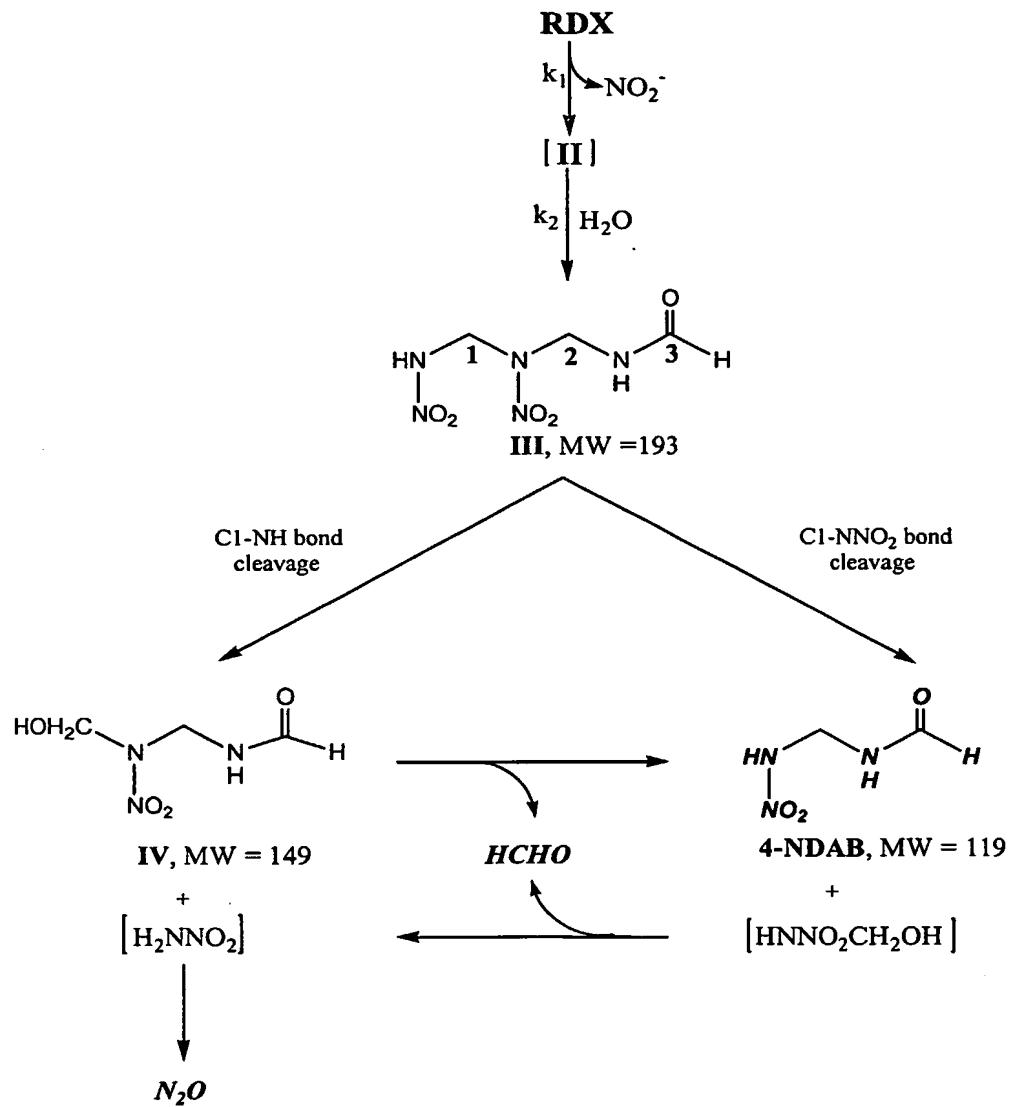


Figure 25

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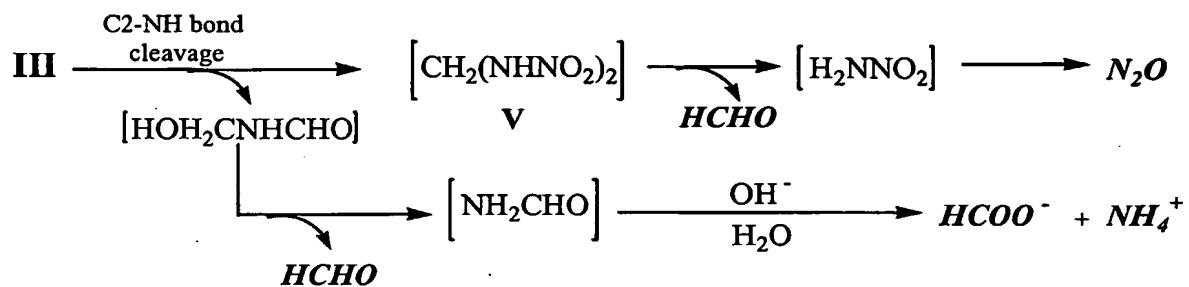


Figure 26

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